

The DJT180T is \$214.00 NEW

The FT411 (With extra batt, speaker/mic) \$220.00 USED

Can anyone HELP me choose the better of the two ???

This is my first purchase of HAM gear and I am unsure.

The advantage of a new one of course is a warranty and knowing what it has been thru ;-)

Please help,
Brian Miller

Date: Tue, 11 May 1993 20:38:45 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!transfer.stratus.com!necis!rbono@network.UCSD.EDU

Subject: ATV xmitter questions

To: info-hams@ucsd.edu

In article <1sofv1\$1c8@pyrtech.mis.pyramid.com>, andrem@pyrtech.mis.pyramid.com (Andre Molyneux) wrote:

>

> I've got a few questions with regards to an ATV transmitter
> that I've gotten my hands on. The boards are made by PC
> Electronics, and the identifier of the video board is TXA5.

>

[deleted some text]

>

> The transmitter is intended for use in the 420-440 MHz range,
> and uses a Motorola MHW710-2 as the power amplifier. Motorola's
> specifications, however, indicate that this is not the correct
> part for this frequency range. The data book lists the MHW710-2
> as being intended for use from 440-470 MHz. For 400-440 MHz, a
> MHW710-1 is specified. Can anyone tell me why the -2 part is
> used in this design rather than the -1? I plan to use the
> transmitter at 434.0 MHz.

I have also seen this. Someone explained to me that these modules were not originally designed to be linear amplifiers. They found that the "-2" part was more linear in the desired frequency range than the "-1" part. This is why the "-2" part was used. Or was it that the "-2" part was readily available and the "-1" part was a special order? I can't remember, sorry.

>

> I also have a question regarding the output level of the TXA5
> board. The ARRL Handbook indicates that the board provides a
> 80mW signal to drive the power amplifier. The specs for the
> power amp list a maximum input level of about 250mW, with a
> typical input of 150mW. Why is the TXA5 only driving the power
> amplifier at only a little better than half of the "typical"
> level specified for the device?

I beleive that this was due to the non-linear nature of the MHW-710 parts.
By limiting the drive power, the device was being used in its linear region.

You might try using a SAU-4 instead. This device is very similar to the
Motorola part, but is a linear amplifier.

>
> Words of wisdom with regards to this beast would be appreciated.
>

If you really want the *real* scoop on this, call Tom O'hara at PC Electronics.
I am sure that he will give you the details on this.

Rich

--

```
/*****\
* Rich Bono                IMRICH                UUCP:rbono@necis.ma.nec.com *
* (508) 635-6300           NM1D                AMPR: nm1d@nm1d.nh.usa.noam *
\*****/
```

Date: 12 May 93 01:35:07 GMT
From: rtech!amdahl!amdahl!ikluft@decwrl.dec.com
Subject: CFV to reorganize this group
To: info-hams@ucsd.edu

zawodny@arbd0.larc.nasa.gov (Dr. Joseph M Zawodny) writes:
>Maybe I missed it somehow, but in case I am not alone I'll pass this on.
>The Call For Votes (CFV) to reorganize rec.radio.amateur... has been out
>since May 9, 1993. I stumbled across it in rec.radio.packet, but I did
>not see it posted here. I've been told that it is also in news.groups
>and a few other places. Whatever your disposition towards this proposed
>reorganization, I encourage you to vote on it.

One single copy was cross-posted to news.announce.newgroups, news.groups,
rec.radio.amateur.misc, rec.radio.amateur.packet, rec.radio.amateur.policy,
and rec.radio.info. Your newsreader software probably noted that you saw it
first in r.r.a.packet and didn't display it again in the other newsgroups.

It looks like it made it OK. It arrived at my site properly cross-posted to all the required groups. We talk directly to UUNET so, with only one hop from the moderator of news.announce.newgroups, there wasn't much room for problems to occur.

Anyway, thanks for speaking up when you thought there might be a problem. I'm glad to help clear it up.

--

Ian Klufft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development
iklufft@uts.amdahl.com Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

Date: Wed, 12 May 1993 03:00:44 GMT
From: olivea!charnel!rat!zeus!hertz.elee.calpoly.edu!trasmuss@ames.arpa
Subject: Get a Ham Radio License - Study Books for SALE:
To: info-hams@ucsd.edu

Here is a great opportunity to get a ham radio license.

The Cal Poly Amateur Radio Club has approximately 25 new and unused copies of the ham radio study book "Now You're Talking". Store prices for this book range from \$17.00 to \$19.00.

We have significantly reduced the price of these to \$7.00 a copy. (plus \$2.50 for postage and envelope coverage)

Please call (805) 756-2737 to order.

Date: Wed, 12 May 1993 00:06:16 +0000
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!torn!nott!bnrgate!bnr.co.uk!pipex!uknet!warwick!qmw-dcs!qmw!demon!wsbbs.demon.co.uk!df@network.UCSD.EDU
Subject: Help for white stick op (tuning meter)
To: info-hams@ucsd.edu

Hello

I wonder if anyone out there can help, or can point me to a possible source of help?

I am a white stick op (totally blind), and until recently used an audible SWR bridge to check my HF transmitter/antenna. A fault has developed on the unit, and I have no circuit or other info to help with the repair. The SWR bridge was manufactured by a UK firm, WPO Communica-

tions, who I believe are now out of business.

I wonder if anyone has any info on this unit that might help, or any info on an audible meter or digital meter with synthesised voice output that would allow me to do any of the following without the need for sighted assistance:

- 1) check that my SWR into the antenna is as it should be;
- 2) make adjustments to (tune) my vertical multi-band antenna.

A friend of mine has set up my antenna initially using a digital antenna analyser meter manufactured by MFJ. Does anyone have any information as to whether such a meter might be adapted with a voice chip to make it usable by someone without sight?

A long time ago - in the 'fifties and 'sixties - there was an organisation called Science for the Blind that produced tactile and audible meters for tuning the old valve transmitters. Does anyone know of any firm making anything at all suitable for use by a blind ham?

Any help most appreciated.

73 de Den, G3VSH (reply G3VSH@wsbbs.demon.co.uk or on Amtor/packet to G3VSH@OH2BAR).

-- Sysop of the White Stick BBS (10pm-8am UTC) +44 61 864 1152

Date: 12 May 93 01:34:31 GMT
From: news-mail-gateway@ucsd.edu
Subject: No-code stuff
To: info-hams@ucsd.edu

From: CPDVAX::DUBE 11-MAY-1993 20:25:51.97
To: INFOHAMS
CC: DUBE
Subj: No-code stuff

It seems like this just isn't going to go away! But let me relate this: I travel quite frequently, from coast to coast. I always take along my IC2SA and ask for the highest room I can get in hotels where I stay. Then I try to tune in to all the repeaters to get a handle on what's going on. Here's what I've found:

In general, there's excellent discipline everywhere I've been. I know I don't hear much in my short visits, but what I have heard speaks well of Hamdom; and I'm sure that a lot of who I've heard and even talked to are "no-codes". Sure, there have been a few burp-in-the-mike idiots here and there and probably some of them have been no-codes. But some of them may have been Extras, too!

On a recent trip to DC I heard a busy, but well-controlled repeater during and after rush hour. It could be a model. I bet there were a number of

no-codes on it, too.

I expect that, sooner or later I'll run into a repeater or an area where things are sliding downhill toward CB-ism; but then, the owner of the repeater can either condone it or close down.

I guess if I had one complaint it would be that a lot of places don't seem to be overly friendly toward "alien" calls. There have been a few places where I simply could NOT elicit a reply from any listening station, even though I was able to hit the repeater well. And there are a scattered few who, even though they may answer a call, act as if they wish you'd go away.

hobby (be it eliminating Morse code or any other method), my experiences haven't borne out the "no-codes are the ruination of the hobby" notion.

All those with CW privileges do have one big advantage, though, if they feel so strongly about it: They can escape to the spectrum below 30 MHz. where they won't be bothered by the no-codes.....

73,
Dube AB5AP <dube@cpdvax.csc.ti.com>

Date: 12 May 93 03:19:30 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
odin!brown@network.UCSD.EDU
Subject: Ray Stilwell?
To: info-hams@ucsd.edu

Am looking for information for the following person... he is a friend of my dad, though they have kinda lost track of each other. My dad has been unable to get current info about him for a while.

The guys name is Ray Stilwell, his call is WA4MLD. He used to be at the address listed in Buffalo's call sign server, but that info seems to be a bit out of date.

The callsign server says this:

Call-Sign: WA4MLD	Class: ADVANCED
Real Name: RAY W STILWELL	Birthday: MAY 14, 1940
Mailing Address: 519 S SECOND ST, FORT PIERCE, FL 34950	
Station Address: SAME AS MAILING ADDRESS	
Valid From: OCT 27, 1987	To: OCT 27, 1997
Records Last Processed: OCT 27, 1987	

If you have any info, send email to x1rbrown@exnet.iastate.edu (Roger Brown, ND0J) or myself, brown@ins.cwru.edu (Dan Brown, Call Sign pending)

Thanks.

Dan

BTW, Has anyone seen a letter from the FCC with my name on it??? Am waiting for a Tech plus ticket... Its been six weeks, so hopefully it won't be much longer!!

--

Dan Brown	\	There's a lot of things
brown@ins.cwru.edu	\	If I could I'd rearrange.

Date: 11 May 93 20:01:16 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: Reciprocal operating: Canada/U.K.?
To: info-hams@ucsd.edu

Does anybody out there have any information on Canadian hams reciprocally operating in England?

I phoned the Consulate here in Vancouver, and they suggested I write to the RSGB - but if the trip happens it's next week (I'm the alternate for somebody who may not be able to go to a conference), so there's no time to write.

I'd appreciate any information folks might be able to provide.

Thanks in advance, and 73 from
...laura VE7LDH

Date: Wed, 12 May 1993 00:49:45 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!caen!destroyer!cs.ubc.ca!newsserver.sfu.ca!
pattabhi@ames.arpa
Subject: SONY ICF SW77 receiver enquiry
To: info-hams@ucsd.edu

Hello DXers,

I heard that SONY has a receiver out, called ICF SW-77

(or is it just SW77)? I saw a picture of it in an ad in WRTN'93, and it's priced about \$100 more than the SONY 2010...

I wonder when the receiver came out, whether it is superior to the 2010, etc. More specifically, has the receiver been evaluated or reviewed in any recent publications?

I remember that Larry Magne wrote detailed reviews of receivers for "Radio Database International"-- do they have a review out for the SW-77?

Any or all info on the receiver will be gratefully monitored and logged!

[illegible]

Date: 12 May 93 02:48:43 GMT
From: ogicse!emory!darwin.sura.net!sgiblab!news.kpc.com!kpc!sleat@network.UCSD.EDU
Subject: Still 8 weeks for license
To: info-hams@ucsd.edu

In article <PARTOS.93May10143338@larry.larc.nasa.gov>, partos@larry.larc.nasa.gov (Dick Partos) writes:
|> Sad to say I'm still waiting after 9+ weeks. I called the FCC only to

Another data point: Tested Mar 20; Issued May 4; Received May 10.
(Seven weeks and two days to have it in hand.)

Michael Sleator (KD6VBQ)	Voice:	408-748-6339
Kubota Pacific Computer	FAX:	408-748-6301
2630 Walsh Ave.	internet:	sleat@kpc.com
Santa Clara, CA 95051	uucp:	...!uunet!kpc!sleat

Date: Wed, 12 May 1993 00:06:11 +0000
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!torn!nott!
bnrgate!bnr.co.uk!pipex!uknet!warwick!qmw-dcs!qmw!demon!wsbbs.demon.co.uk!
df@network.UCSD.EDU
Subject: Thanks, RE test msg
To: info-hams@ucsd.edu

Hi there

Thanks to all who replied to my test msg - I was beginning to wonder as I have never seen any msgs actually coming through in this newsgroup. My original cry for help posted here has been erased from my disk, so I will try again now that I know there really IS a group called rec.radio.amateur.misc out there (grin).

73 de Den G3vsh.

-- Sysop of the White Stick BBS (10pm-8am UTC) +44 61 864 1152

Date: Wed, 12 May 1993 00:28:47 GMT

From: saimiri.primite.wisc.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!alanb@ames.arpa

Subject: Transmitter low pass filters

To: info-hams@ucsd.edu

David Post (dep@scr.siemens.com) wrote:

: I am new to HF and I am in the process of setting up an HF
: station. During some of my tests I have experienced TVI and
: I want to get a low pass filter for my rig. I have been given
: a few recommendations (B&W, Bencher, and ICE). Does anybody
: have any experience with these manufactures? What is a good low pass
: filter manufacturer? What specifications should I look for if I want to
: operate 80 - 10 Meters with this low pass filter
: in the transmission line? What should the cutoff freq. be?
: What kind of attenuation should a good filter have at 50 Mhz?
: what should the insertion swr be?
: How much power should the filter handle assuming I want to run
: the legal limit some day? What are the trad offs on these paramiters?

Filter performance is usually less important than shielding. Make sure that the coax between the transmitter and filter is good quality (at least 95% braid coverage) and be sure that the shield braid is well-soldered over the entire 360 degree circumference of each connector shell. Even better, connect the filter to the transmitter with a double-male connector (a right-angle connector may be most convenient).

One reply posting says you have to bond the filter chassis to the transmitter chassis. This is not necessary if the connecting coax is good.

Obviously the filter power-handling capability must be at least equal to your maximum transmitter output power. High SWR can degrade the power-handling capability of the filter. For this reason, if you are using an antenna tuner, always adjust the tuner with the amplifier

turned off (or with exciter power turned down, if using a low-power-rated filter).

AL N1AL

Date: Wed, 12 May 1993 00:18:25 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!col.hp.com!
news.dtc.hp.com!srigenprp!alanb@network.UCSD.EDU
Subject: vibroplex parts....
To: info-hams@ucsd.edu

Alan Bloom (alanb@sr.hp.com) wrote:

: You can still buy parts from Vibroplex, although they are pretty expensive.
: Like a car, it would cost 3-4 times the price to build one from the spare
: parts. I will try to remember to get the address when I go home tonight
: and post it tomorrow.

The Vibroplex Co.
POB 7230 / 476 Fore St.
Portland, ME 04112

(207) 775-7710

While you're ordering replacement parts, don't forget the genuine
Vibroplex belt buckle (\$6.95) and the Vibroplex T-shirt (also \$6.95).
:=)

AL N1AL

Date: Wed, 12 May 1993 02:11:57 GMT
From: anomaly.sbs.com!kd1hz@uunet.uu.net
Subject: what is the issue here? (WAS: no-code defense)
To: info-hams@ucsd.edu

tbodoh@resdgs1.er.usgs.gov (Tom Bodoh) writes:

>Any speculation on what these changes might be? I am going for my no-code
>(ie scumbag) ticket this month and will be buying an HT - so it would be good
>to know what changes MAY be coming. On the other hand, maybe I'll start
>studying the code after I get my ticket.

I can't specifically say, but I believe Tony is proposing to restructure
access to V/UHF bands by license class, i.e. the non-coded tech would have

all frequencies below 147.00 on 2 meters, and coded techs would only have access above 147.00. This would give non-coded techs an "incentive" (remember that folks, that's what our licensing system is supposed to have...) to upgrade beyond no-code.

MD

```
--
-- Michael P. Deignan, KD1HZ           /   Since I *OWN* SBS.COM,
-- Domain: kd1hz@anomaly.sbs.risc.net  /   these opinions generally
-- UUCP: ...!uunet!anomaly!kd1hz       /   reflect those of my
-- Telebit: +1 401 455 0347            /   company...
```

Date: Wed, 12 May 1993 02:15:45 GMT
From: anomaly.sbs.com!kd1hz@uunet.uu.net
Subject: what is the issue here? (WAS: no-code defense)
To: info-hams@ucsd.edu

ez006683@othello.ucdavis.edu (Daniel D. Todd) writes:

> This must be a joke! I have seen no comments from sbs that are
> "designed to foster the betterment of the hobby" All I've seen are
> designed for the degradation of a certain "class" of amateur.

Hmmm. Lessee... Comments which you happen to agree with are "okay", while those comments you don't agree with are "degradation" of certain amateur classes?

> If this is true, please start a mailing list to allow open
> discussion of the actual NPRM or better yet post it. I would love to see
> a discussion on something we can do something about. But, in reality this
> is probably never going to happen, looks like more SBS-BS (tm)

Tony, KD1NR (@garlic.sbs.com) is working on the matter, and I don't know if he is planning to start a mailing list. However, it sounds like a good idea, and I'll send him some e-mail suggesting it.

MD

```
--
-- Michael P. Deignan, KD1HZ           /   Since I *OWN* SBS.COM,
-- Domain: kd1hz@anomaly.sbs.risc.net  /   these opinions generally
-- UUCP: ...!uunet!anomaly!kd1hz       /   reflect those of my
-- Telebit: +1 401 455 0347            /   company...
```

Date: 12 May 93 01:50:06 GMT

From: ogicse!emory!europa.eng.gtefsd.com!darwin.sura.net!news.duc.auburn.edu!
morgage@network.UCSD.EDU
To: info-hams@ucsd.edu

References <PARTOS.93May10143338@larry.larc.nasa.gov>,
<1993May11.100612.50022@kuhub.cc.ukans.edu>, <C6vCsz.Atl@murdoch.acc.Virginia.EDU>
Subject : Re: Still 8 weeks for license

I think I hold the "bad luck" ticket record. I took the novice/tech tests at the same time and passed both. I sat around for 5 months and neither showed up. I called around to find out why and the Cavec guy in Montgomery AL had my forms sitting on his desk for the whole time because I didnt put the zip code on the station address (it was on the mailing address and could have been filled in) He said he tried to call me all summer but couldnt get me. Unlikely, I was home. A total of eight months and I got my tech ticket in the mail.

I had no problems with general BUT I passed my advanced at Birmingham Ham fest and NEVER receive my ticket. I tried to get in touch with several BARC members but had no luck. I had also lost the proof I passed the test since it was another eight months before I started looking seriously for my ticket. This weekend I plan to try the BARC and B-ham cavec guys again and pass my advanced for a second time! I would imagine that it was cavec that screwed up again and I think they need to get their act together.

If there is any one with a better story let me know. I would like to think I am not alone.

73
N2LGD
Eric Morgan

Date: 12 May 93 00:26:58 GMT
From: ogicse!emory!gatech!asuvax!chnews!joshua!jbromley@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1soci7\$mqq@transfer.stratus.com>, <1sojqb\$bvb@chnews.intel.com>,
<1soquc\$18k@transfer.stratus.com>
Subject : Re: How's a Honda Accord w/50W VHF?

In article <1soquc\$18k@transfer.stratus.com>
fms@sw.stratus.com (Faith Senie) writes:

>> [My suggestion to use a Radio Shack filter deleted]

>I've already got one filter on there, and it didn't have much effect, if

>any. I've been loaned a really super filter -- and it didn't help, either.

I read Dan's post about trying filters and then, eventually, running the radio on an independent battery and determining that the noise was definitely coming in the antenna.

One thing is that we have our terminology crossed. Alternator whine, to me, is an almost-pure audio sine wave whose frequency rises and falls (from about 200 Hz to 1200 Hz) that is superimposed on the DC power line. It is really the ripple from the 3-phase alternator rectifiers that is not being adequately filtered by the "capacitance" of the battery, usually due to small wiring and connector resistances between the alternator and the battery, or a bad battery. It has an amplitude in the millivolt range, but a source impedance in the micro-ohms. Or so it seems. Brute-force capacitance has absolutely no effect on it. You have to have at least one L-C section to make a dent in it.

>Our thought now is that there's some grounding missing someplace in the
>engine or in the body of the vehicle somewhere, and that I'm receiving
>the results of that missing ground (our prime suspect at the moment is
>the lack of ground strap on the hood). We just haven't had the time to get
>out our little sniffer loop and hunt down the noise. Yet another summer
>project... :-)

This is the right approach. I have this sneaking suspicion that the source of the noise may not be the alternator. But, whatever it is, the cure will be to filter out the noise at its source. The alternator is easy to filter at VHF - use a coaxial capacitor in the output lead, bonded to the alternator case. And make sure the bolts holding the alternator into its mount are tight all the way back to the engine block.

But if it is the engine-control computer, as I suspect it is, all bets are off. The only thing I could suggest is to look for a chassis ground *real close* to the computer and bypass every wire going into and out of it with a .001 mF disc ceramic capacitor with extremely short leads. And I think that it goes without saying that this will absolutely void your warranty.

I wrote:

>> Another "alternator whine" problem crops up when you lose the diodes

I just mentioned this as a long shot. It isn't the problem.

>In fact, sometime about a year or so ago, I put out a request to the net
>for info on just such a problem. About 60% of the responses I got were
>"Wire directly to the battery!". Another 35% or so were "Ground the radio
>itself" (which we also did -- no effect), and the remaining 5% were

>"Gee, my Honda doesn't do that" sorts and random others...

These are excellent statistics for an instance of net.advice :-)

>"I'm afraid I don't know very much about Romulan Disruptor settings"

Geez, you don't have one of *those* under the hood, do you?

End of Info-Hams Digest V93 #571
